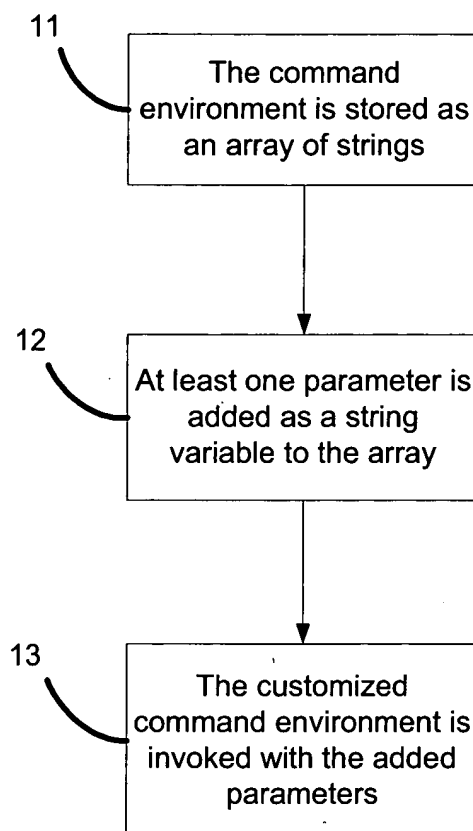


AUS920010927US1
James M. McArdle
Passing Parameters To An External
Command Via The Command Environment

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FIG. 1

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Passing Parameters To An External
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```
public int runCommand(String stepName, String cmdName, String args[]) {
    String cmd = prefs.getProperty(cmdName + ".cmd");
    Vector envp = new Vector();
    String vxargPrefix = "reportpar" + reportIndex + ".";

25    envp.addElement("VXARG0=" + prefs.getProperty(vxargPrefix + "0", "novalue"));
    envp.addElement("VXARG1=" + prefs.getProperty(vxargPrefix + "1", "novalue"));

    envp.addElement("IWDA_WHOAMI=" + prefs.getProperty("env.whoami", "novalue"));
30    envp.addElement("IWDA_PATH=" + prefs.getProperty("env.iwdpath", "novalue"));

    envp=loadEnvp(envp);

    int rc = 0;

35    for(int i=0; i<args.length; i++) {
        if(args[i]==null) break;
        if(platform.startsWith("AIX")){
            cmd = cmd+ " "+ args[i];
40        }
        else{
            cmd=cmd + " \"" + args[i] + "\"";
        }
    }
45    try {

        String envp2[]= new String[envp.size()];
        envp.copyInto(envp2);
        Process cmdProc = Runtime.getRuntime().exec(cmd,envp2);
50        rc=cmdProc.exitValue();
        if(rc!=0) throw new Exception("rc="+rc);
    }
    catch (Exception e) {
        return rc;
55    }
    return rc;
}
```

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```
public Vector loadEnvp(Vector envp) {  
    String FS = File.separator;  
    String envpFile=prefs.getProperty("env.iwddata") + FS + "tmp"+FS+"envpfile";  
    String cmd;  
65     if(platform.startsWith("AIX")) {  
        cmd=prefs.getProperty("env.iwddata") + FS + "tmp" + FS + "createEnv.sh";  
        try {  
            FileOutputStream cmdos = new FileOutputStream(cmd);  
70            PrintWriter cmdLog = new PrintWriter(cmdos);  
            cmdLog.println("#!/bin/sh");  
            cmdLog.println("env > "+envpFile);  
            cmdLog.close();  
            Process cmdProc2 = Runtime.getRuntime().exec("chmod 755 "+ cmd);  
75            cmdProc2.waitFor();  
        }catch (Exception io){}  
        }  
        else {  
            cmd="db2cmd -c -i -w set";  
80            cmd=cmd + ">" + envpFile;  
        }  
        try {  
85            Process envProc =Runtime.getRuntime().exec(cmd);  
            envProc.waitFor();  
            FileReader fin = new FileReader(envpFile);  
            BufferedReader bin = new BufferedReader(fin);  
            String envpLine;  
90            while((envpLine=bin.readLine()) != null) {  
                envp.addElement(envpLine);  
            }  
85            bin.close();  
            fin.close();  
        }  
        catch (Exception e) {  
            logTrace(e);  
100        }  
        return envp;  
    }  
}
```

60

FIG. 3

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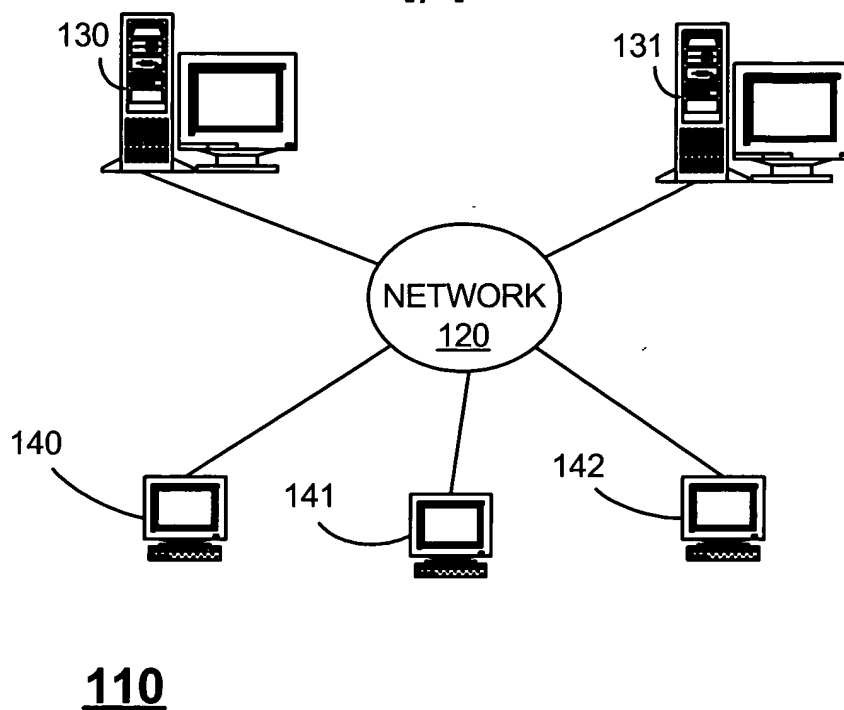


FIG. 4